ViewSonic®

N2000

LCD TV Display

User Guide

Full 20.1" Diagonal Viewable Screen

Contents

Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: **www.viewsonic.com**. The ViewSonic® Wizard CDROM also provides an opportunity for you to print the registration form, which you may mail or fax to ViewSonic.

<table>
<tr><td colspan="2">**For Your Records**</td></tr>
<tr><td>**Product Name:**</td><td>**ViewSonic N2000**</td></tr>
<tr><td>**Model Number:**</td><td>**VSATV27329-1M**</td></tr>
<tr><td>**Document Number:**</td><td>**A-CD-N2000-1**</td></tr>
<tr><td>**Serial Number:**</td><td></td></tr>
<tr><td>**Purchase Date:**</td><td></td></tr>
</table>

Product disposal at end of product life
ViewSonic is concerned about the preservation of our environment. Please dispose of this product properly at the end of its useful life. Your local waste disposal company may provide information about proper disposal.

IMPORTANT PRODUCT SAFETY INSTRUCTIONS

ATTENTION:
Follow and obey all warnings and instructions marked on your product. For your safety, please read all the safety and operating instructions before you operate this product. Keep this user guide for future reference**.**

INSTALLTION

1. **Grounding or Polarization**
   Your product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not alter the safety purpose of the polarized plug.

2. **Overloading**
   Do not overload well outlets, extension cords, or integral convenience receptacles as this can result fire or electronic shock.

3. **Power Cord Protection**
   Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords near plugs, convenience receptacles, and the point where they exit from the product.

4. **Ventilation**
   Slots and openings on the cabinet is provided for ventilation purposes.
   To ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered.
   - Do not block the openings by placing the product on a bed, sofa, rug or other similar surface
   - Do not place the product in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction have been adhered to.

5. **Other Notices**
   - Avoid exposing the N2000 to direct sunlight or high temperatures
   - Avoid exposing the N2000 to moisture or high humidity
   - Do not attempt repairs yourself. Your warranty does not cover repairs or attempted repairs by anyone not authorized by ViewSonic
   - If your N2000 will not be used for a long period of time, unplug and remove the batteries from the remote control

6. **Precautions**
   Sit at least 20" from your LCD TV display
   Avoid touching the screen. Skin oils are difficult to remove.
   Never remove the rear cover. Your LCD TV display contains high-voltage parts. You may be seriously injured if you touch them.
   - Avoid exposing your LCD TV display to direct sunlight or another heat source. Orient your LCD TV display away from direct sunlight to reduce glare
   - Always handle your LCD TV display with care when moving it
   - Place your LCD TV display in a well-ventilated area. Do not place anything on your LCD TV display that prevents heat dissipation
   - Ensure the around the LCD TV display is clean and free of moisture
   - Do not place heavy objects on the LCD TV display, video cable, or power cord
   - If smoke, abnormal noise, or strange odor is present, immediately switch the LCD TV display off and call your dealer or ViewSonic. It is dangerous to continue using the LCD TV display

ANTENNA INSTALLATION INSTRUCTION

1. **Outdoor Antenna Grounding**
   If an outside antenna or cable system is connected to the product be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANS/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

2. **Lightning**
   For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges. Do not disconnect the antenna or the power cord during a heavy storm or lightning may strike while you are holding the cable cord, causing serious injury. Turn off your LCD TV display and wait for the weather to improve.

3. **Power Lines**
   An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them may be fatal.

Cleaning the LCD TV display

- **MAKE SURE THE LCD TV DISPLAY IS TURNED OFF**
- **NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE**

To clean the screen:
1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

To clean the case:
1. Use a soft, dry cloth.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

Disclaimer
ViewSonic does not recommend the use of any ammonia or alcohol-based cleaners on the LCD TV display screen or case. Some chemical cleaners have been reported to damage the screen and/or LCD TV display case. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

Getting Started

Congratulations on your purchase of a ViewSonic LCDTV display. ***Important !***
Save the original box and all packing material for future shipping needs.

Package Contents

Your LCDTV package includes:
• LCDTV Display
• Remote Control (included battery)
• Power Cord
• VGA Cable
• Audio Cable
• AV RCA Cable
• RF Cable
• Quick Start Guide
• User Guide
• ViewSonic Wizard CD-ROM

NOTE: The ViewSonic Wizard CD includes the User Guide PDF files and INF/ICM display optimization files. The INF file insures compatibility with Windows operating systems, and the ICM file (Image Color Matching) insures accurate on-screen colors. ViewSonic recommends that you install both files.

Front View of the Product

Use the buttons on the front panel control (or included remote control) to display and adjust the On Screen Display (OSD). The OSD controls are explained at the top of the next page and are defined in "OSD Functions" on page 16.

Top Control keys and Front panel controls are shown in detail below

Speaker
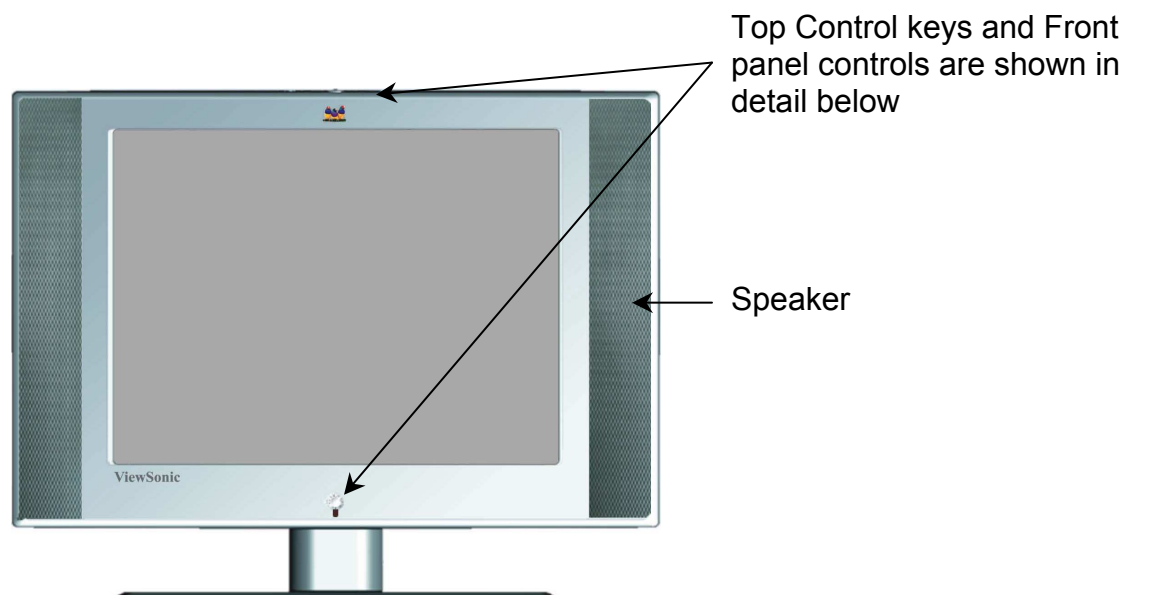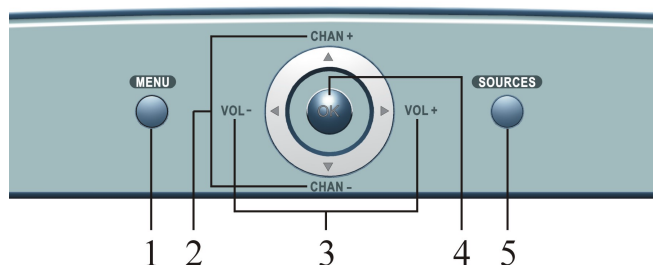
Top Control keys

Front Panel Control Key

1 2   3   4 5   6   7
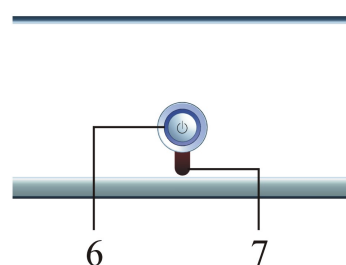
1 Menu	Turn OSD Menu ON/OFF
2 Channel + / -	Channel up/down when source is at TV or select a control while in OSD Menu.
3 Volume + / -	Increase/Decrease sound volume or adjust a highlighted control while in OSD Menu.
4 OK Key	Execute a command
5 Sources	Toggle the input source from RGB >> Component >> AV >> S-Video >> TV
6 Power Button	Power ON/OFF
7 Remote Control Receiver	The Remote Control Receiver

Rear View of the Product
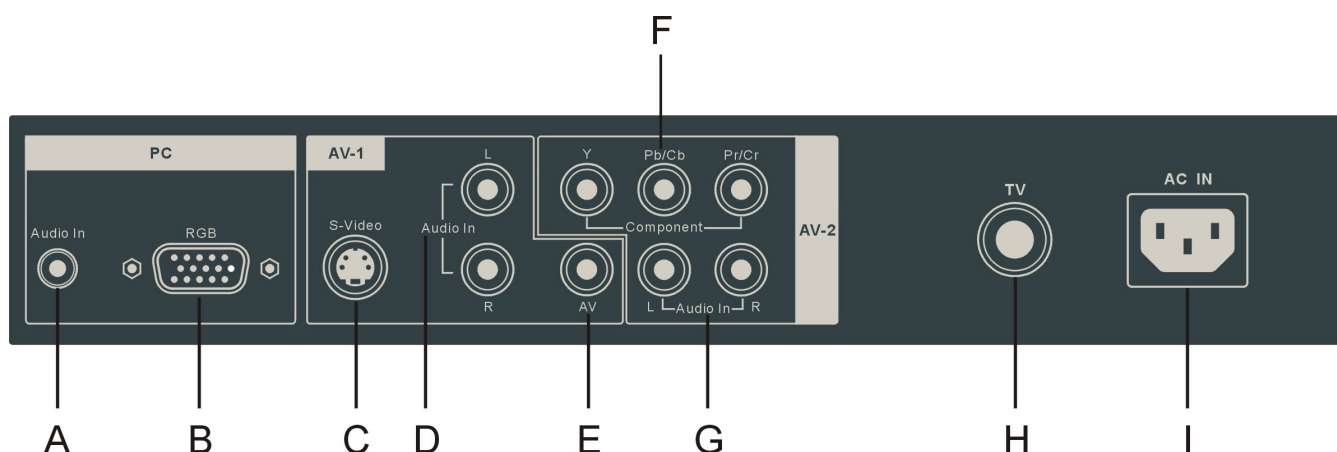
PC
      A. Audio In (PC)
         Using cable provided connecting to the Audio out (Green) on your PC
      B. RGB (VGA input)
         Using the 15-pin VGA cable provided connecting to the RGB out on your PC

AV-1
      C. S-Video input
         Connect the S-Video to external video device such as VCR, DVD and Video game
      D. Audio input (Right / Left)
         Connect the external audio to this jack; (Audio (R/L) inputs are supporting either
         S-Video or AV input.)
      E. AV Video input
         Connect the Composite Video (Yellow) to external video device such as VCR, DVD
         and Video game

AV-2
      F. Component (Y Pb/Cb Pr/Cr) input
         Connect the external video devices with component output to these jacks
      G. Audio input (Right / Left)
         Connect the external audio to this jack

TV
      H. TV input
         Connect to the antenna or cable service

AC IN
      I. AC IN (Power)
         Using cable provide connect to a power source

Remote Controls

The Remote Control is compatible with the display from up to 5m distances.

1. POWER:
Switch the power On/Off

2. SOURCES:
Select input sources between RGB >> Component >> AV >> S-Video >> TV

3. TV
Source selected to TV mode

4. ASPECT
Select Video display Ratio

5. RGB
Source selected to PC mode

6. YPbPr
Source selected to Component mode

7. AV
Source selected to AV mode

8. S-VIDEO
Source selected to S-Video mode

9. PIP
Display Main & Sub picture

10. PIP SWAP
Switch PIP Main/Sub source

11. PIP SIZE
Adjust PIP Sub picture size

12. PIP SOURCE
Select PIP Sub picture source

13. AUDIO
Adjust Audio function

14. POP
Display Multi-Window

15. SLEEP
Set the TV sleep timer

16. MENU / EXIT
Press to display / exit the OSD

17. ▲/▼/◄/►(Arrow keys)
Available in OSD Menu:
Use ▲/▼ allows to choose a control
Use ◄/► allows to adjust selected control

18. OK
Execute a command

19. VOLUME ▲/▼
Volume Up/Down adjustment

20. CHANNEL ▲/▼
Channel Up/Down adjustment

21. LAST
Recall the previous channel

**22. MUTE**
Turn the Sound On/Off

23. CHANNEL NUMBER KEY
Set the channel

24. DISPLAY
Display the source and channel information

25. FREEZE
Freeze the screen
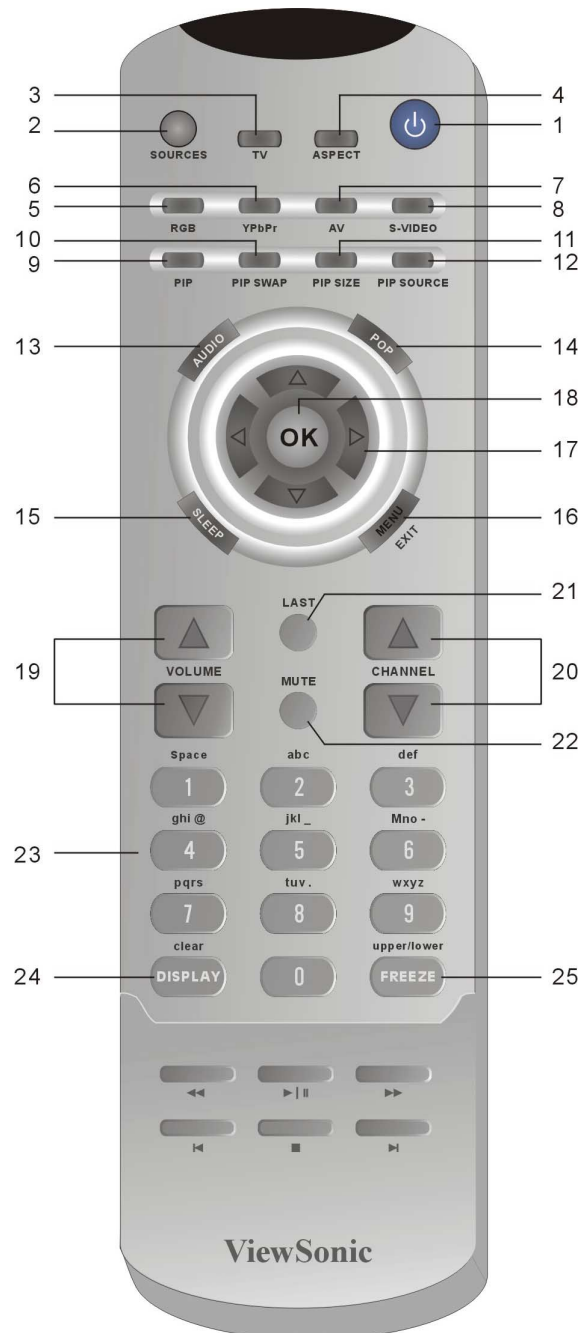
Installation

1. Insert Remote Control Batteries
1) Remove the battery cover.
2) Insert the batteries, corresponding to the (+) and (−) markings on the battery compartment.
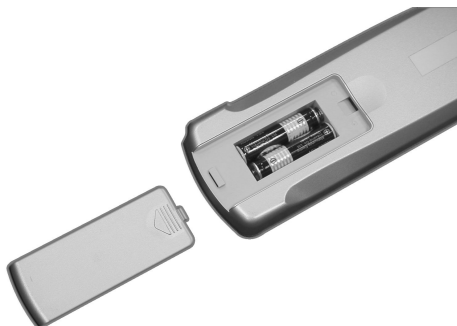
3) Re-attach the battery cover.

CAUTION

‣ **Only use the specified AAA batteries.**
‣ **Do not mix new and old batteries. This may result in cracking or leakage, which may pose a fire risk or lead to personal injury.**
‣ **Insert batteries according to (+) and (−) markings. Inserting the batteries incorrectly may result in cracking or leakage, which may pose a fire risk or lead to personal injury.**
‣ **Dispose of the battery in accordance with local laws and regulations.**
‣ **Keep the battery away from children and pets.**
‣ **When the remote control will not to be used for an extended period, remove the batteries.**

2. Connect audio and video cables to PC

Connect one or all of the following into the back of the N2000 LCDTV

IMPORTANT: Make sure all devices are off before you begin.

PC RGB CONNECTION: Connect the supplied analog VGA cable from your PC VGA OUT port to the N2000 LCDTV RGB IN port.

AUDIO CONNECTION: Connect the supplied stereo mini cable from the PC's AUDIO OUT port to the AUDIO IN port on the N2000 LCDTV.
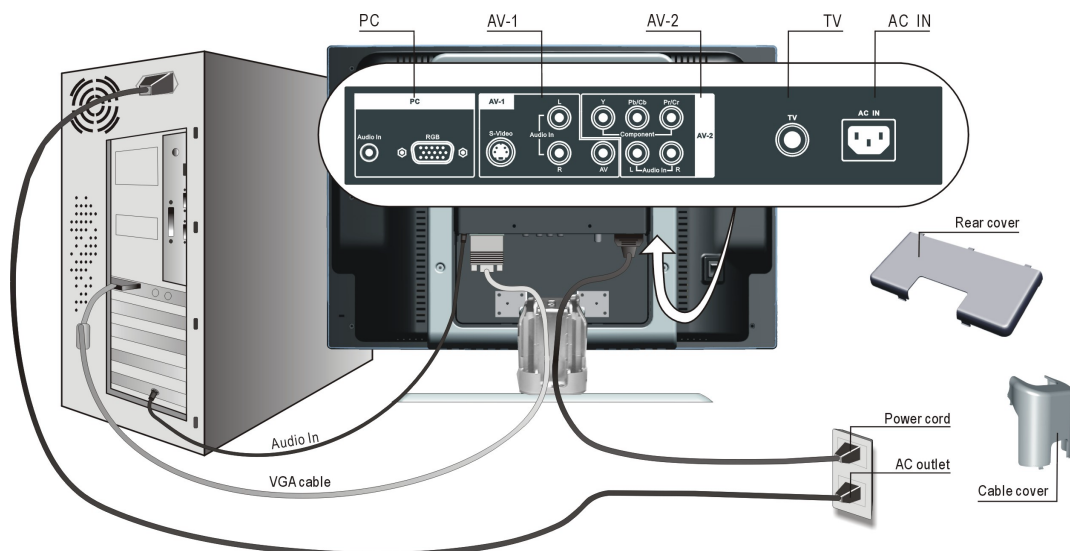
3. Connect AV, Y Pb/Cb Pr/Cr, S-Video, Antenna/Cable to Video Devices

Connect Video/Audio cables from compatible devices to the back panel of N2000 LCDTV.

Ear Phone

PC
Audio In
RGB

AV-1
S-Video
Audio In
L
R

AV
L
R

Y
Pb/Cb
Pr/Cr
Component
AV-2
L
Audio In
R

TV

AC IN

(PC) Audio In

(PC) RGB

(AV-1) S-Video

(AV-1) Audio In L

(AV-1) Audio In R

(AV-1) AV

(AV-2) Y

(AV-2) Pb/Cb

(AV-2) Pr/Cr

(AV-2) Audio In L

(AV-2) Audio In R

TV

AC In

Antenna/Cable

Computer

DVD player or VCR
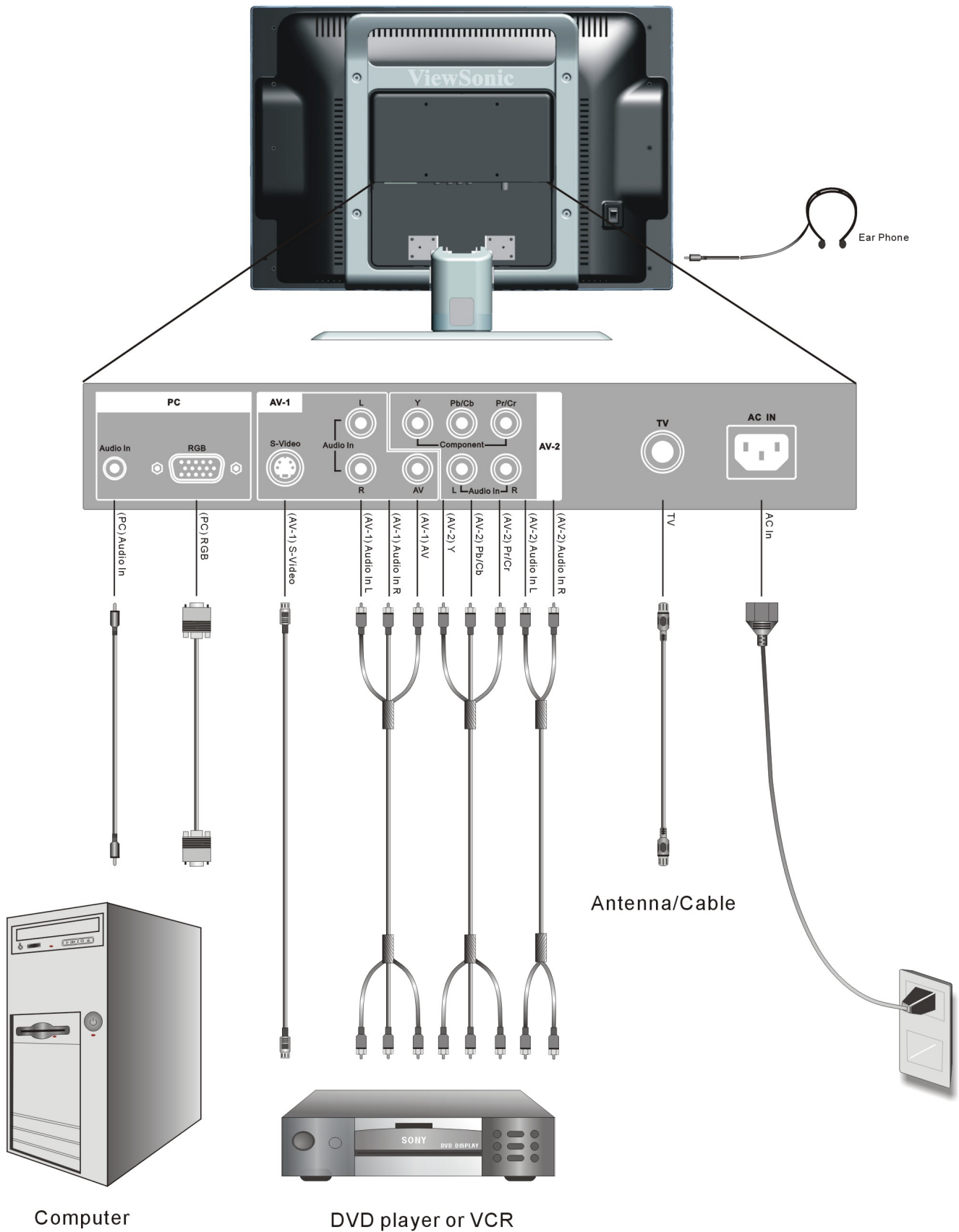
4. Connect power cables

Connect the power cord to the N2000 LCDTV then to a properly grounded AC outlet.
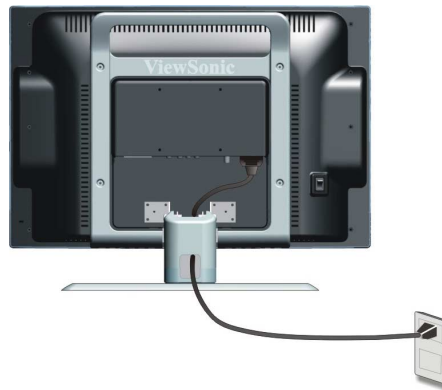
5. Turn Power On

Press the AC switch button to "I", then press the Power ON button on the front of the LCDTV display. Or press the Power On (Blue) button on the remote control.

6. Select input source for your LCDTV display, via either OSD menu or remote control

1) Insert the ViewSonic Wizard CD to your computer CD driver, wait for the CD to auto-start and then follow the on-screen instruction.
2) For the best picture quality set your LCD TV display timing mode to VESA 640x480 at 60Hz, refer to the graphic card's user guide, for questions on how to set this timing mode.

OSD Functions

All the function settings for your LCDTV display are controlled either via the remote control or using the top control keys on the front panel.

To display the OSD main menu, press Menu button on the front control keys or the MENU/EXIT key on the remote control. Use ◄/► arrow keys to toggle the sub OSD menu display (Main Picture >> Main Input >> Multi Screen >> OSD >> TV >> Audio >> Parental Control). Use ▲/▼ arrow keys to select the details of each sub OSD Menu, then use ◄/► arrow keys to make the desired adjustment. Press OK Key to confirm the desired selection and press Menu button or MENU/EXIT key again to exit the OSD Menu.

NOTE: The OSD menu display will disappear automatically after 30 seconds, if no action is taken.
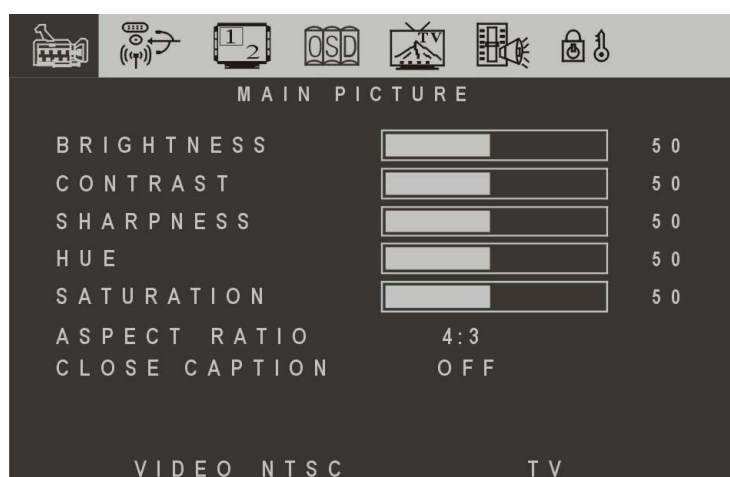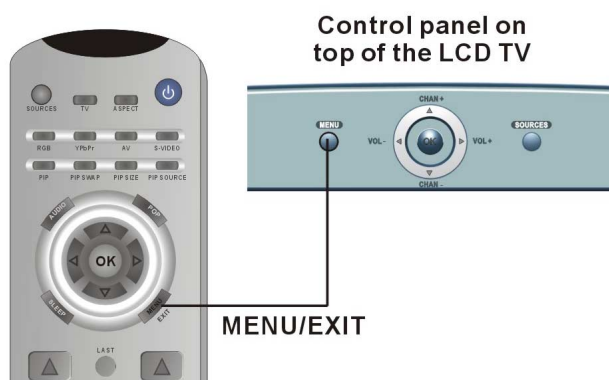
Source Input: TV or AV or S-Video

Main Picture Menu

MAIN PICTURE

BRIGHTNESS		50
CONTRAST		50
SHARPNESS		50
HUE		50
SATURATION		50
ASPECT RATIO	4:3	
CLOSE CAPTION	OFF	

VIDEO NTSC   TV
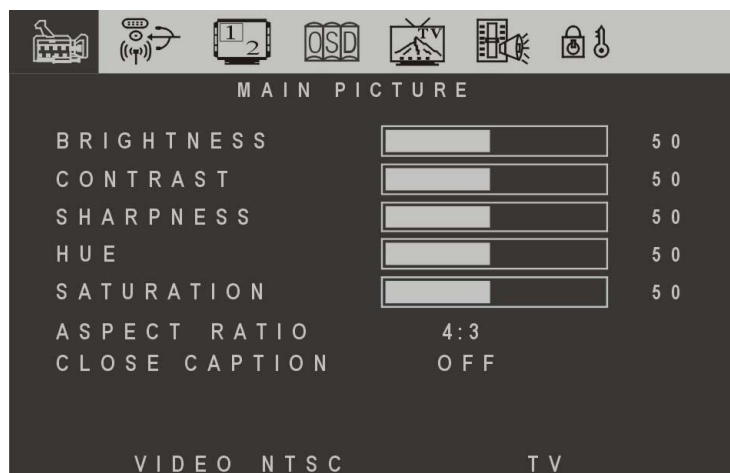
Function Name	Explanation
Brightness	Adjust the Brightness of TV
Contrast	Adjust the Contrast of TV
Sharpness	Adjust the Video Sharpness
Hue	Adjust the Video Hue level
Saturation	Adjust the Video Saturation level
Aspect Ratio	Select TV display on "4:3" / "16:9"
Close Caption	Turn Closed Caption on / off select the type of desired. "OFF", "CC1", "CC2", "CC3", "CC4", "TT1", "TT2", "TT3", "TT4"

Main Input Menu
Select any input source as desired.

MAIN INPUT

RGB
COMPONENT
AV
S-VIDEO
TV

VIDEO NTSC   TV

Function Name	Explanation
RGB	Select input source : RGB (PC)
COMPONENT	Select input source : COMPONENT
AV	Select input source : AV
S-VIDEO	Select input source : S-VIDEO
TV	Select input source : TV

Multi Screen Menu

Both PIP and POP function are disabling it.
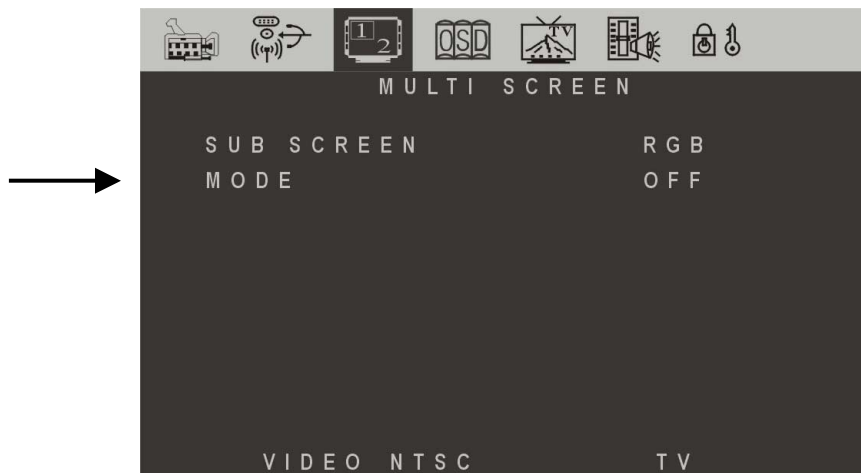
Figure 1 Multi Input Menu

PIP function is enabling it.
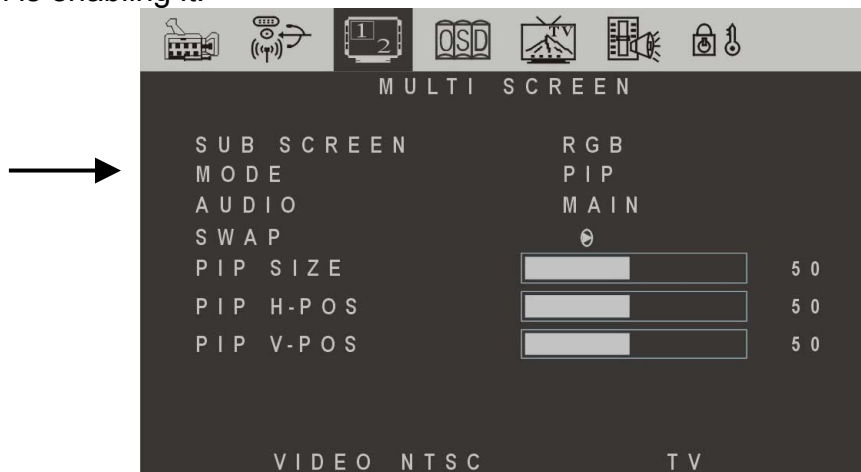
Figure 2 PIP Menu

POP function is enabling it.

Figure 3 POP Menu

Function Name	Explanation
SUB SCREEN	Choose sub screen source, ⇨ **If main screen (input) shown on either TV or AV or S-VIDEO, then sub screen will has input selection on RGB or COMPONENT** ⇨ **If main screen (input) shown on either RGB or COMPONENT, then sub screen will has input selection on TV or AV or S-VIDEO**
MODE	Select multi screen type: "OFF" / "PIP" / "POP"
AUDIO	Select audio output source (Main or Sub)
SWAP	Main screen and sub screen swap (Right key to execute)
PIP SIZE	Adjust Sub screen size
PIP H-POS	Adjust Sub screen Horizontal position
PIP V-POS	Adjust Sub screen Vertical position
POP	Display Side by Side Multi-Window

OSD Menu
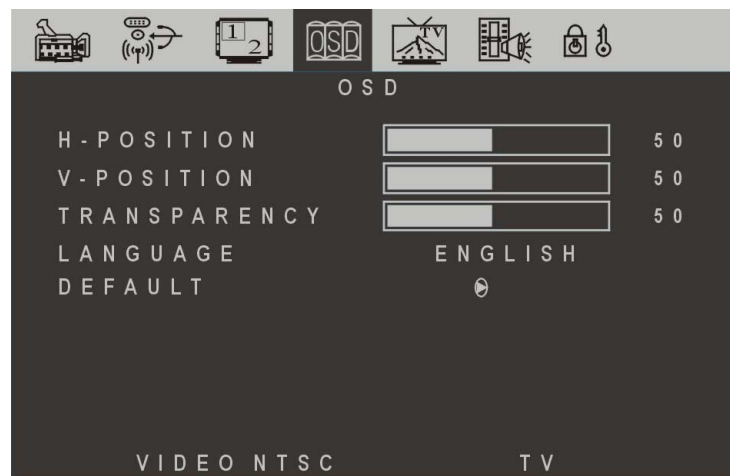
Function Name	Explanation
H-POSITION	Adjust OSD on horizontal position
V-POSITION	Adjust OSD on vertical position
TRANSPARENCY	Adjust OSD on transparency level
LANGUAGE	Choose OSD language: English, Spain, French, Traditional Chinese
DEFAULT	Recall factory default setting. When this function is executed, the screen will show the message

Figure 4 Factory Default Message

TV Menu

```
[icons]   T V

M T S                    S T E R E O
I N P U T   S I G N A L  C A B L E
A U T O   S C A N                ▶
S E T   C H A N N E L     0 2
C H A N N E L             A D D
S L E E P   T I M E ( M I N S )   0 0



    V I D E O   N T S C       T V
```

Function Name	Explanation
MTS	Selection included Stereo, Sap, Mono, Dual
INPUT SIGNAL	TV Selection are either Cable or Air (Antenna)
AUTO SCAN	Channel Auto scan (Right arrow key to execute)
SET CHANNEL	Channel selection
CHANNEL	ADD or Delete the selected Channel
SLEEP TIME(MINS)	Set the sleep timer on TV from 00, 30, 60, 90, 120 minutes

Audio Menu

```
[icons]   A U D I O

V O L U M E    [====    ]    5 0
B A S S        [====    ]    5 0
T R E B L E    [====    ]    5 0
B A L A N C E  [====    ]    5 0





    V I D E O   N T S C       T V
```
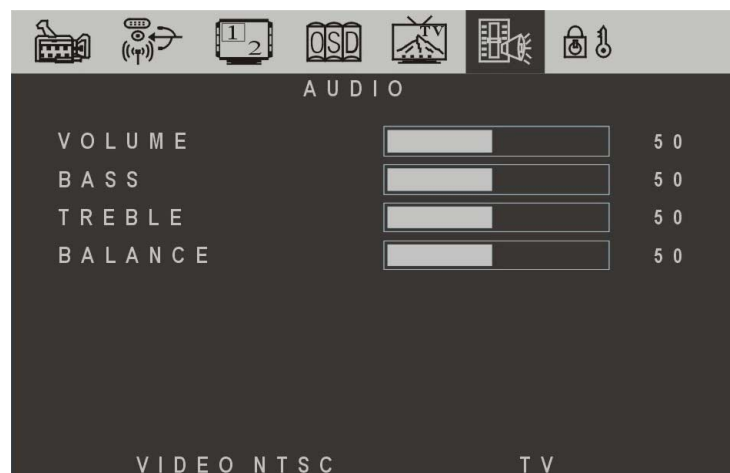
Function Name	Explanation
VOLUME	Adjust Volume level
BASS	Adjust Bass level
TREBLE	Adjust Treble level
BALANCE	Adjust Left and Right speaker balance

Parental Control Menu

Access the PARENTAL CONTROL menu the password must be key-in first (refer to Figure 5), then press OK key to confirm selection. If the wrong password is entered, then refer to Figure 6.
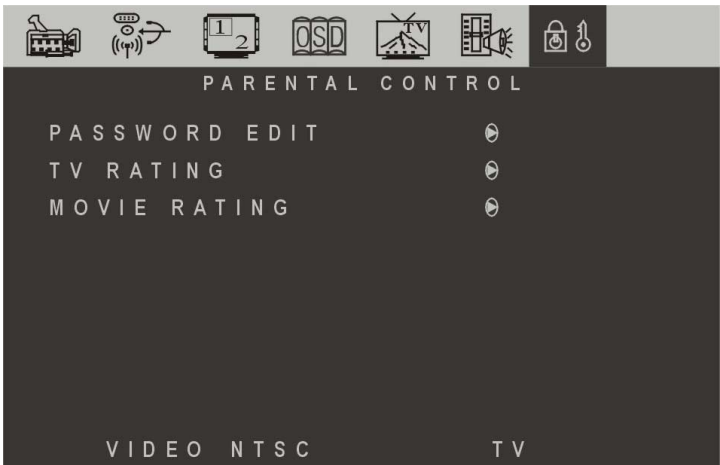
Figure 5.   Key-In Password

Figure 6.   Password Incorrect Warning

Password Edit Menu
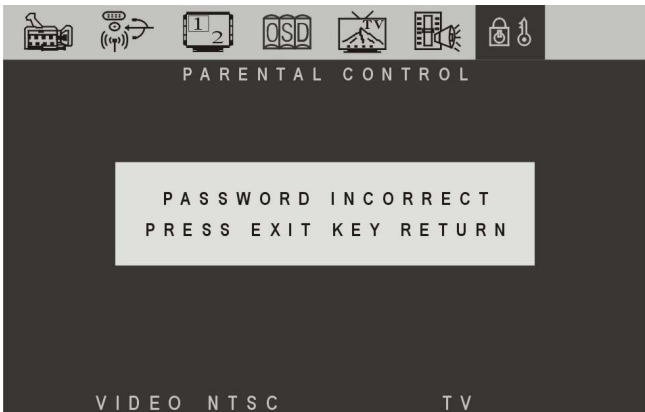
Figure 7.   The warning message is displayed when the wrong OLD Password

Function Name	Explanation
PASSWORD EDIT	**Edit the password (Default is 0000)**
OLD: _ _ _ _	**Type the old password in 4 numbers, if the wrong password is entered, then refer to Figure 7**
NEW: _ _ _ _	**Type the new password in 4 numbers**
CONFIRM: _ _ _ _	**Re-type the new password for confirmation**

TV Rating Menu

Set the TV Ratings to block selected TV channels.

MOVIE Rating Menu

Set the Movie Ratings to block selected Movie channels.

Function Name		Explanation
TV RATING		<<< AGE >>>
	TV Y:	All Children
	TV Y7:	Directed to Older Children
	TV G:	General Audience
	TV PG:	Parental Guidance Suggested
	TV 14:	Parents Strongly Cautioned
	TV MA:	Mature Audience Only
		<<< CONTENT >>>
	FV:	Fantasy Violence
	D:	Suggestive Dialogue
	L:	Stronger Language
	S:	Sexual Situation
	V:	Violence
MOVIE RATING	G:	General audience
	PG:	Parental Guidance suggested
	PG 13:	Parents strongly cautioned
	R:	Restricted
	NC 17:	No one 17 and under admitted
	X:	Adult audience only

```
W A R N I N G

P A S S W O R D   I N C O R R E C T
P R E S S   E X I T   K E Y   R E T U R N
```

When parental control is ON and the channels have been blocked, the screen will display the warming message.

```
W A R N I N G

T H E   P R O G R A M   I S   B L O C K E D .
E N T E R   P A S S W O R D   T O   U N B L O C K .


P A S S W O R D :  -  -  -  -
```
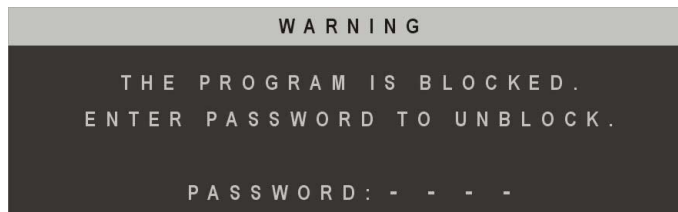
When the password is incorrect, the screen the screen will display warning message.

Source Input: Component

Main Picture Menu
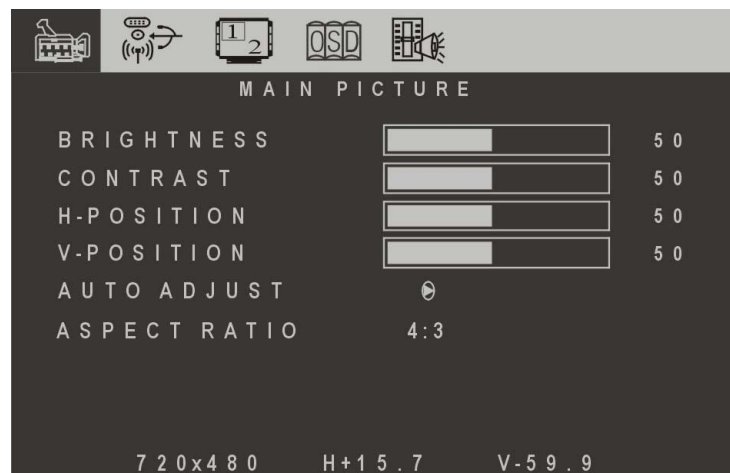
```
                    M A I N   P I C T U R E

      B R I G H T N E S S                         5 0
      C O N T R A S T                             5 0
      H - P O S I T I O N                         5 0
      V - P O S I T I O N                         5 0
      A U T O   A D J U S T              ⦿
      A S P E C T   R A T I O            4 : 3



         7 2 0 x 4 8 0      H + 1 5 . 7      V - 5 9 . 9
```

Function Name	Explanation
Brightness	Brightness adjustment
Contrast	Contrast adjustment
H-POSITION	Adjust Horizontal Position on the image
V-POSITION	Adjust Vertical Position on the image
AUTO ADJUST	Adjust the Horizontal Phase on the image
H-SIZE	Adjust the Horizontal size on the image
Aspect Ratio	Select image to "4:3" or "16:9" format

For the Main Input, Multi Screen, OSD, and Audio Menu operation, please refer to Pages 14~18.

Source Input: PC

## Main Picture Menu
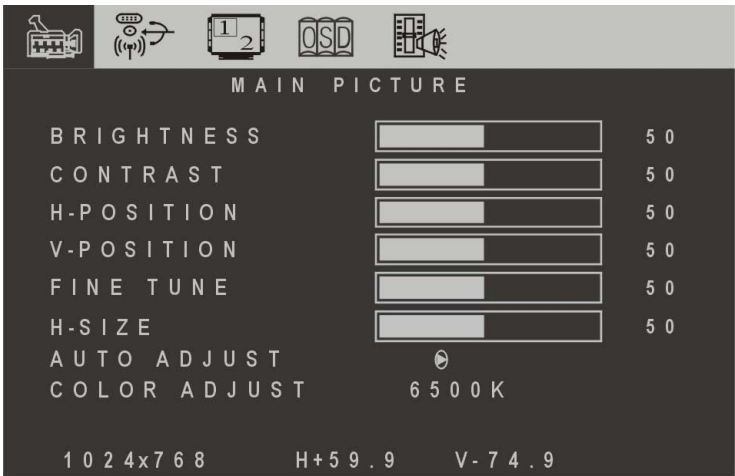
Function Name	Explanation
Brightness	Brightness adjustment
Contrast	Contrast adjustment
H-POSITION	Adjust Horizontal Position on the image
V-POSITION	Adjust Vertical Position on the image
FINE TUNE	Adjust the Horizontal Phase on the image
H-SIZE	Adjust the Horizontal size on the image
AUTO ADJUST	Auto adjust the phase, clock, and position of the image.(Right key to execute)
COLOR ADJUST	Color temperature adjustment: 9300k, 6500k, 5000k, and User color.

For the Main Input, Multi Screen, OSD, and Audio Menu operation, please refer to Pages 11~19.

Other Information

Specifications

Panel	Type	20.1" (full 20.1" viewable diagonal area), TFT (Thin Film Transistor), Active Matrix VGA LCD, 640RGB*480 vertical stripe
	Color	Anti-reflective coating + Anti-glare coating
Viewing angles		160° (H) / 140° (V)
Input signal	Video	RGB Analog * 1 (75 ohms, 0.7 Vp-p)
		H/V separated (TTL) for PC
		f_h:30-69 kHz, fv:50-85 Hz
		TV system antenna / NSTC in US and TW
		Composite Video * 1
		S–Video * 1
		Component Video * 1 (YCbCr, YPbPr)
	Audio	Mini-Stereo *1, RCA (L/R) Stereo * 2
Compatibility	PC	Up to 1024 x 768 Non-interlaced
	Macintosh[1]	Power Macintosh up to 1024 x 768
Resolution	Supported	1024 x 768 @ 60, 75, 85 Hz
		800 x 600 @ 60, 75, 85 Hz
		640 x 480 @ 60, 75, 85 Hz
		720 x 400 @ 70 Hz
	Recommended	640 x 480 @ 60, 75, 85 Hz
Speaker Output		5W * 2
Power	Voltage	100-240 VAC, 50/60 Hz (auto switch), 1.5A
Operating conditions	Temperature	32° F to + 95° F (0° C to + 35° C)
	Humidity	20% to 90% (no condensation)
	Altitude	To 3,000 feet
Storage conditions	Temperature	-4° F to + 140° F (-20° C to + 60° C)
	Humidity	5% to 90% (no condensation)
	Altitude	To 12,000 feet
Dimensions	Physical	597 mm (W) x 475 mm (H) x 196 mm (D)
		23.5" (W) x 18.7" (H) x 7.7" (D)
Weight	Net	19.6 lb (8.9kgs)
Regulations		FCC-B, UL, c-UL, NOM
Power saving	On	73W (Blue LED)
modes	Active Off	<5W (Orange LED)

Preset Timing Mode (Pre-adjusted to VESA 640x480 at 60Hz)
Warning: Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the LCD TV display.
Note: Product Specifications are subject to change without notice.

Troubleshooting

No power
- Make sure AC power button is ON, DC power button is ON (Blue LED)
- Make sure AC power cord is securely connected to the AC socket
- Plug another electrical device (like a radio) to the power outlet to verify that the outlet is supplying the proper voltage

Power is ON but no screen image
- Make sure the video cable supplied with the LCD TV display is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the LCD TV display, tightly secure it to the LCD TV display
- Adjust brightness and contrast
- If you are using a Macintosh older than G3, you need a Macintosh adapter
- Check Source settings

Wrong or abnormal colors
- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection
- Connect the LCD TV display to another computer
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter

Control buttons do not work
- Press only one button at a time

Snow appears on screen
- Check your antenna connection
- Check TV / CATV selection

No sound
- Check your audio connection
- Press MUTE on the remote control again, so that MUTE disappears from the screen
- Check your audio settings, your TV audio may be set to SAP or minimum
- Press the Volume + (Up) key on your remote control
  Make sure that headphones are not connected

Remote Control does not work
- Make sure batteries are inserted correctly
- Batteries could be weak

Customer Support

For technical support or product service, see the table below or contact your reseller.

NOTE: You will need the product serial number.

Country/Region	Web site	T = Telephone F = FAX	Email
United States	viewsonic.com/support	**T:** (800) 688-6688 **F:** (909) 468-1202	service.us@viewsonic.com
Canada	viewsonic.com/support	**T:** (800) 688-6688 **F:** (909) 468-1202	service.ca@viewsonic.com
Other Asia/Pacific countries	viewsonic.com.tw	**T:** 886 2 2246 3456 **F:** 886 2 8242 3668	service.ap@viewsonic.com

Limited Warranty
VIEWSONIC LCD TV display

What the warranty covers:

ViewSonic warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, **ViewSonic** will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:

ViewSonic N2000 is warranted for one (1) year for all parts including the light source and one (1) year for all labor from the date of the first consumer purchase.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
    a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
    b. Repair or attempted repair by anyone not authorized by **ViewSonic.**
    c. Any damage of the product due to shipment.
    d. Removal or installation of the product.
    e. Causes external to the product, such as electrical power fluctuations or failure.
    f. Use of supplies or parts not meeting **ViewSonic**'s specifications.
    g. Normal wear and tear.
    h. Any other cause which does not relate to a product defect.
3. Removal, installation, and set-up service charges.

How to get service:

1. For information about receiving service under warranty, contact **ViewSonic Customer Support.** You will need to provide your product's serial number.
2. To obtain service under warranty, you will be required to provide (a) the original dated sales slip, you're your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or **ViewSonic**.
4. For additional information or the name of the nearest **ViewSonic** service center, contact **ViewSonic**.

Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:

VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. VIEWSONIC SHALL NOT BE LIABLE FOR:

1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For warranty information and service on **ViewSonic** products sold outside of the U.S.A. and Canada, contact **ViewSonic** or your local **ViewSonic** dealer.

ViewSonic LCD Warranty (V3.0)   Release Date: 12-17-2002

Appendix

Safety Guidelines

Warning: This device must be operated with the original power supply, part number: ADP-60CF A.
CAUTION: The socket-outlet should be installed near the equipment and should be easily accessible.
CAUTION: Use a power cable that is properly grounded. Always use the appropriate AC cord that is certified for the individual country. Some examples are listed below:

USA.................UL	Switzerland ..... SEV	
Canada.............CSA	Britain .... BASE/BS	
Germany..........VDE	Japan .... Electric Appliance Control Act	

IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The power cord set for this unit has been enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed.
The female receptacle of the cord set must meet IEC-60320 requirements and may look like (Figure A1 below):

For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For units which are mounted on a desk or table, type SVT or SJT cord sets may be used. For units which sit on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for your unit. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG	10 Amps
	16 AWG	12 Amps
	14 AWG	12 Amps
SVT	18 AWG	10 Amps
	17 AWG	12 Amps

For European Countries

In Europe you must use a cord set which is appropriate for the receptacles in your country. The cord set is HARCertified, and a special mark that will appear on the outer sheath, or on the insulation of one of the inner conductors.

AC PLUG CORD PRECAUTIONS FOR THE UNITED KINGDOM

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET THEN THE PLUG SHOULD BE CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO AN APPROPRIATE SOCKET.
If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt, please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow: Earth
Blue: Neutral
Brown: Live

If the coloured wires of the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the Earth symbol or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

If you have any questions concerning which proper power cord to use, please consult with the dealer from whom you have purchased the product.

Compliance Information for U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Warning

To assure continued FCC compliance, the user must use grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC (5) cable. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

ViewSonic® **Corporation**